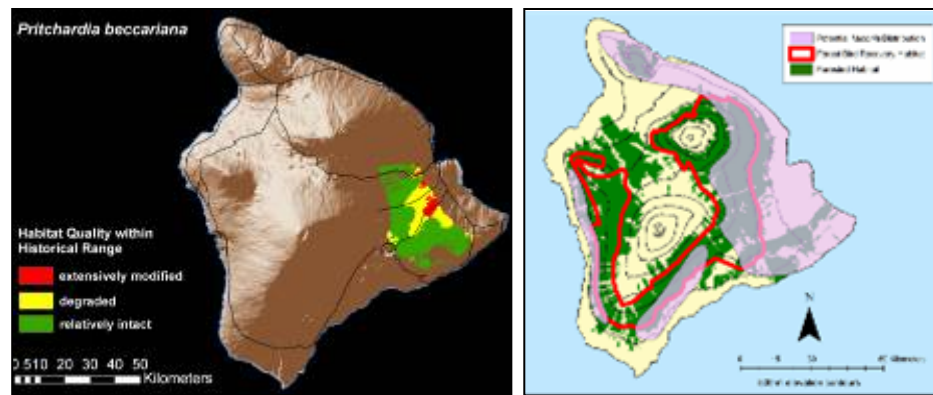


Modeling Plant Species Distribution

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Distribution of native loulu palm and alien tree *Miconia calvescens* on the island of Hawai'i.
Maps prepared by Jon Price, Keali'i Bio, and Jim Jacobi, HCSU and USGS.

Objectives:

- ☆ Compile existing data on the location and habitat characteristics of native and invasive plants
- ☆ Model the potential distribution of each of the target taxa on the island of Hawai'i using GIS tools

Accomplishments:

- ☆ The distributions of approximately 150 species of invasive plants have been modeled
- ☆ Historic range for the entire native plant flora has been projected based on habitat characteristics from known locations of the plants

Significance:

- ☆ The invasive species potential distribution maps will aid with developing control strategies
- ☆ Historic range maps for native species will aid restoration and reintroduction programs for these species